

# CELEROL<sup>®</sup> EMV-Beschichtung 962-57

Technical Datasheet 962-57

## Characteristics



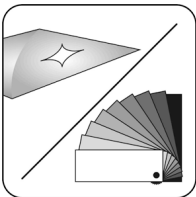
- Solvent-based conductive coating material
- Electrical resistance of coated surfaces < 1.5 Ω (in acc. with VDE 0303 Section 3; Ohmmeter with point electrodes, distance 6 cm)
- Surface resistance R x 50 mΩ (measuring distance: 10.5 mm, measuring device MR-1, Schuetz Messtechnik)
- Absorbability in acc. with ASTM ES-7-83 on PUR foam (Baydur 110; density = 0.68 ± 0.04 kg/l) 65 dB / 1,000 MHz.
- May be recoated with ALEXIT coating materials after a short drying time

## Range of Application



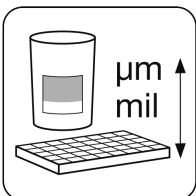
- For the electromagnetic shielding of medical technical equipment with housings made of non-conductive plastic which may cause electromagnetic interference when in operation.

## Color and Gloss



Color: 3990 cupra light

## Theoretical Coverage



Area	Quantity	Film thickness
150 m <sup>2</sup>	1 kg	1 μm
7030 sqft.	1 gal	1 μm
275 sqft.	1 gal	1 mil
33 sqft.	1 lb	1 mil

Recommended dry film thickness: 25 - 35 μm (1 - 1.2 mil)

## Surface Pre-treatment



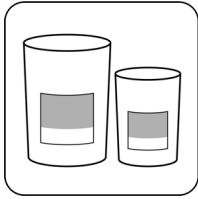
- Is usually applied directly onto the appropriately cleaned / pre-treated substrate
- Appropriate primers, e.g. SEEVENAX, ALEXIT and CELEROL primers, are available to level out surface unevenness



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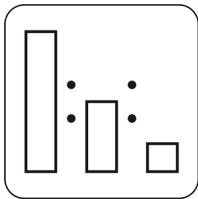
## Trade Names and Packaging



Material	Trade name	Container size [net]
Base material	CELEROL EMV Beschichtung 962-57	5 kg
Viscosity adjuster	Einsteller 907-59	5 kg
Viscosity adjuster*	Einsteller 907-53	5 kg

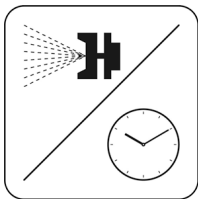
\* for solvent-sensitive thermoplastics such as PS and PC

## Mixing



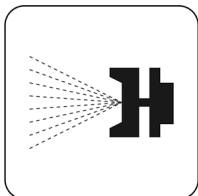
- Material is delivered ready for spraying (addition of up to 25 % adjuster if necessary)
- Optional mix in for approx. 2 - 3 min using a speed mixer prior to application
- Subsequently, the processing viscosity is adjusted by adding adjuster (please refer to "Application").

## Pot Life



Without restrictions within the scope of one-component systems.

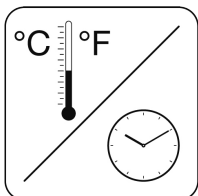
## Application



	Compressed air spraying
Addition of adjuster	20 - 25 %
Efflux time (DIN 53211-4)	40 - 45 s
Nozzle size	1.5 - 2.0 mm (0.06 - 0.08 inch)
Spraying pressure	3.0 - 4.0 bar (44 - 58 psi)

Please review the technical recommendations of the equipment manufacturers.

## Drying



	20 °C (68 °F) drying	80 °C (176 °F) drying
Flash-off time at 20 °C (68 °F)	-	15 min
Dust-dry	approx. 5 min	-
Assembly-dry	approx. 4 h	30 min
Recoatible	approx. 4 h	-

The temperature specified is the object temperature.

The information contained in this document is based on our current state of research and development. Revisal by the user with regard to the intended purpose is necessary due to the variety of processing options and fields of application – please refer to the General Terms and Conditions of Sale.

